







FEATURES

Snappy On-screen Barcode Capture

Featuring excellent near-field reading, wideviewing angle and snappy reading, the CPUpowered NLS-EM20-80 is incredibly readerfriendly on smartphone & tablet displays.

Robust Design with High Vibration Resistance

The single PCB construction and vibration-proof connectors make the scan engine more resistant against vibration and help improve its reliability.

O Slimmer, More Compact Construction

Compared with its predecessor, the new generation of NLS-EM20 is thinner, lighter and more compact, and thus easier to be integrated into any devices.

O Outstanding Power Efficiency

The advanced technology incorporated in the scan engine helps reduce its power consumption and prolong its service life.

O Multiple Interfaces

The NLS-EM20-80 supports USB, RS-232 and TTL-232 interfaces to meet diverse customer needs.









NLS-EM20-80

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Symbologies 2D PDF 472, QR Code, Micro QR, Data Matrix, Azlec, Maxicode, Chinese Sensible Code, GM Code, Micro PDF47 Code, Code One Code One ID EAN-8, EAN-13, UPC-F, UPC-A, Code 128, UCC/EAN128, IZO15, ITF-14, ITF-6, Matrix 25, CodeB1, SM, IBM, Industrial 25, Standard 25, Plessey, CodeB1, MSI- Plessey, UCL/EAN Composite, OSI Databar, Code 30, COM BBN, IBM, Industrial 25, Standard 25, Plessey, CodeB1, MSI- Plessey, UCL/EAN Composite, OSI Databar, Code 30, COM BBN, IBM, Industrial 25, Standard 25, Plessey, CodeB1, MSI- Pipote Depth of Field* EAN-13 25mm -100mn (15ml) QR Code 0mm-90mn (15ml) QR Code QR Code 0mm-90mn (15ml) QR Code Vision Dotata 35mm -50mm (10ml) QR Code QR Code 0mm-90mn (15ml) QR Code QR Code 0mm-90mn (15ml) QR Code Vision Dotata 35% Plessey, UCL/EAN (2000) Physical Totata Matrix 35% Physical Totata Matrix 45% Physical Totata Matrix 47% Physical Totata Matrix 47% Physical Totata Matrix 47% Physical Totata Matr			
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Ambient Light 0~100,000lux (natural light) Certificates FCC PartI5 Class B, CE EMC Class B, RoHS Certificates & Protection FCC PartI5 Class B, CE EMC Class B, RoHS Accessories FCC PartI5 Class B, CE EMC Class B, RoHS ILS-EVK Software development board for the NLS-EM20-80, equipped with a trigger button, beep and RS-232 & USB interfaces. Cable USB Used to connect the NLS-EVK to a host device. RS-232 Used to connect the NLS-EVK to a host device.	torage Temperature		-40°C to 75°C (-40°F to 167°F)
Certificates FCC Part15 Class B, CE EMC Class B, RoHS Accessories Software development board for the NLS-EM20-80, equipped with a trigger button, beep and RS-232 & USB interfaces. Cable USB Used to connect the NLS-EVK to a host device. RS-232 Used to connect the NLS-EVK to a host device.	lumidity		5% to 95% (non-condensing)
Certificates & Protection FCC Part15 Class B, CE EMC Class B, RoHS Accessories ILS-EVK ILS-EVK Software development board for the NLS-EM20-80, equipped with a trigger button, been and RS-232 & USB interfaces. Cable USB RS-232 Used to connect the NLS-EVK to a host device. RS-232 Used to connect the NLS-EVK to a host device.	Ambient Light		0~100,000lux (natural light)
Certificates & Protection FCC Part15 Class B, CE EMC Class B, RoHS Accessories Accessories ALS-EVK Software development board for the NLS-EM20-80, equipped with a trigger button, been and RS-232 & USB interfaces. Cable USB RS-232 Used to connect the NLS-EVK to a host device. RS-232 Used to connect the NLS-EVK to a host device.	Certificates		
NLS-EVK Software development board for the NLS-EM20-80, equipped with a trigger button, beep and RS-232 & USB interfaces. Cable USB Used to connect the NLS-EVK to a host device. RS-232 Used to connect the NLS-EVK to a host device.	Certificates & Protection		FCC Part15 Class B, CE EMC Class B, RoHS
Cable USB Used to connect the NLS-EVK to a host device. RS-232 Used to connect the NLS-EVK to a host device.	Accessories		
CableUSBUsed to connect the NLS-EVK to a host device.RS-232Used to connect the NLS-EVK to a host device.			Software development board for the NLS-EM20-80, equipped with a trigger button, beep
RS-232 Used to connect the NLS-EVK to a host device.			and RS-232 & USB interfaces.
RS-232 Used to connect the NLS-EVK to a host device.	Cable	USB	Used to connect the NLS-EVK to a host device.
		RS-232	Used to connect the NLS-EVK to a host device.
	ower Adapter		

**Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;

2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice.

Version: V1.5

Newland AIDC

Add: No.1 Rujiang West Rd., Mawei, Fuzhou, Fujian 350001, China Tel: +86-591-83979500 Fax: +86-591-83979216 Email: info@nlscan.com Web: www.newlandaidc.com

North America&Latin America Add: 46559 Fremont Blvd.,

Fremont, CA 94538, USA Tel: +1 510 490 3888 Fax: +1 510 490 3887 Email: info@nlscan.com Web: www.newlandamerica.com Europe & Middle East Add: Rolweg 25, 4104 AV Culemborg, The Netherlands Tel: +31 (0) 345 87 00 33 Email: sales@newland-id.com Tech Support: tech-support@newland-id.com Web: www.newland-id.com

Asia Pacific

Taiwan: Add: 7F-6, No. 268, Liancheng Rd., Jhonghe Dist. 235, New Taipei City, Taiwan Tel: +886 2 7731 5388 Email: info@newland-id.com.tw



Newland AIDC Scanning Made Simple